

What is claimed is:

1. An X-ray diagnosis apparatus, comprising:

a supporting unit configured to support to an X-ray tube that irradiates X-ray to an object and an X-ray detector that detects X-ray penetrated through the object;

a bed configured to have the object placed thereon;

an operation unit configured to operate drive of at least one of the supporting unit and the bed;

a wireless communication unit configured to transmit a wireless signal

10 related to the drive from the operation unit to the bed; and

a drive control unit configured to control the drive of at least one of the supporting unit and the bed based on the transmitted wireless signal.

2. The X-ray diagnosis apparatus according to claim 1, wherein the bed

15 includes a plurality of attachment units configured to attach and detach the operation unit.

3. The X-ray diagnosis apparatus according to claim 2, further comprising:

a state detection unit configured to detect a state of attachment of the

20 operation unit to the bed.

4. The X-ray diagnosis apparatus according to claim 3, wherein the state

detection unit is configured to detect whether the operation unit is attached to at least one of the attachment units.

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5. The X-ray diagnosis apparatus according to claim 4, wherein the drive control unit stops the drive of at least one of the supporting unit and the bed when the operation unit is not attached to any of the attachment units.

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6. The X-ray diagnosis apparatus according to claim 3, wherein the state

detection unit identifies the attachment unit to which the operation unit is attached.

7. The X-ray diagnosis apparatus according to claim 6, wherein the drive control unit controls a direction of the drive of at least one of the supporting unit and the bed based on a position of the identified attachment unit.

8. The X-ray diagnosis apparatus according to claim 2, wherein the attachment unit includes a guide rail.

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9. The X-ray diagnosis apparatus according to claim 8, wherein the communication unit is provided with respect to each the guide rail.

10. The X-ray diagnosis apparatus according to claim 1, wherein the communication unit transmits the wireless signal related to the drive at several times.

11. The X-ray diagnosis apparatus according to claim 1, further comprising:

20 a second operation unit configured to operate drive of at least one of the supporting unit and the bed; and

a second communication unit configured to transmit a second signal related to the drive from the operation unit to the bed by a cable.

25 12. The X-ray diagnosis apparatus according to claim 11, wherein the drive control unit controls the drive of at least one of the supporting unit and the bed based on the second signal transmitted by the cable prior to transmission of the wireless signal.

30 13. The X-ray diagnosis apparatus according to claim 11, wherein the

drive control unit stops the drive of at least one of the supporting unit and the bed when the second signal transmitted by the cable is different from the transmitted wireless signal.

5        14. The X-ray diagnosis apparatus according to claim 1, wherein the drive control unit controls the drive of at least one of the supporting unit and the bed in a horizontal direction.

10        15. The X-ray diagnosis apparatus according to claim 1, wherein the drive control unit controls the drive of at least one of the supporting unit and the bed in a rotation direction.

15        16. An X-ray diagnosis apparatus, comprising:  
a supporting unit configured to support to an X-ray tube that irradiates  
X-ray to an object and an X-ray detector that detects the X-ray penetrated through  
the object;  
a bed configured to have the object placed thereon;  
an operation unit configured to operate drive of at least one of the  
supporting unit and the bed and configured to be attached to and detached from a  
plurality of attachment units of the bed;  
a drive control unit configured to control the drive of at least one of the  
supporting unit and the bed based on the signal; and  
a state detection unit configured to detect a state of attachment of the  
operation unit to the bed.

20        25        17. The X-ray diagnosis apparatus according to claim 16, wherein the state detection unit is configured to detect whether the operation unit is attached  
to at least one of the attachment units.

30        18. The X-ray diagnosis apparatus according to claim 17, wherein the

drive control unit is configured to stop the drive of at least one of the supporting unit and the bed when the operation unit is not attached to any of the attachment units.

5        19. The X-ray diagnosis apparatus according to claim 16, wherein the state detection unit is configured to identify the attachment unit to which the operation unit is attached.

10        20. The X-ray diagnosis apparatus according to claim 19, wherein the drive control unit is configured to control a direction of the drive of at least one of the supporting unit and the bed based on a position of the identified attachment unit.

15        21. The X-ray diagnosis apparatus according to claim 6, wherein the attachment unit includes a connector configured to transmit a signal related to the drive from the operation unit to the bed.

22. An X-ray diagnosis apparatus, comprising:

20        a supporting unit configured to support an X-ray tube that irradiates X-ray to an object and an X-ray detector that detects the X-ray penetrated through the object;

      a bed configured to have the object placed thereon;

      means for operating drive of at least one of the supporting unit and the bed;

25        means for transmitting a signal related to the drive from the operation unit to the bed by wireless communication; and

      means for controlling the drive of at least one of the supporting unit and the bed based on the signal.

30        23. A method for controlling an X-ray diagnosis apparatus including a

supporting unit configured to support to an X-ray tube that irradiates X-ray an object and an X-ray detector that detects the X-ray penetrated through the object, a bed configured to have the object placed thereon, and an operation unit configured to operate drive of at least one of the supporting unit and the bed,

5 comprising:

- detecting a position of the operation unit;
- detecting an operation direction of the operation unit;
- determining a drive direction based on the position of the operation unit and the operation direction of an operation unit; and

10 driving at least one of the bed and the supporting unit in the determined drive direction.